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| X11 Release: | 23           |

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## LD 52: 2.0 Mb/s Remote Peripheral Equipment

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Overlay program 52 defines the 2.0 Mb/s Remote Peripheral Equipment (RPE) group data and system thresholds.

Overlay program 52 is not supported on Option 11 systems.

## Prompts and responses

### Table of Contents

| Section                                                 | Page |
|---------------------------------------------------------|------|
| 2.0 Mb/s RPE data block (TASK = Counter Threshold)      | 680  |
| 2.0 Mb/s RPE data block (TASK = Group Member)           | 681  |
| 2.0 Mb/s RPE data block (TASK = Timer Threshold)        | 681  |
| 2.0 Mb/s RPE data block (TASK = No New Data call timer) | 682  |
| Prompts and responses to remove 2.0 Mb/s RPE data block | 682  |

### 2.0 Mb/s RPE data block (TASK = Counter Threshold)

| Prompt | Response  | Comment                                                          |
|--------|-----------|------------------------------------------------------------------|
| REQ    | aaa       | Request                                                          |
| TYPE   | RPE2      | Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment) |
| GRP    | 1-31      | RPE group number                                                 |
| TASK   | CTHS      | Counter Threshold                                                |
| LFAL   | 0-(5)-255 | Loss of Frame Alignment at Local site                            |
| FAEL   | 0-(5)-255 | Frame Alignment Error rate at Local site                         |
| PCML   | 0-(5)-255 | Pulse Code Modulation (PCM) error rate at Local site             |
| LFAR   | 0-(5)-255 | Loss of Frame Alignment at Remote site                           |
| FAER   | 0-(5)-255 | Frame Alignment Error rate at Remote site                        |
| PCMR   | 0-(5)-255 | Pulse Code Modulation (PCM) error rate at Remote site            |
| RPF    | 0-(3)-255 | Remote Processor Failure                                         |
| LINT   | 0-(2)-255 | Local site Initialization of Remote Peripheral Controller        |
| BGTH   | 0-(3)-7   | Background Threshold                                             |

## 2.0 Mb/s RPE data block (TASK = Group Member)

| Prompt | Response | Comment                                                                                 |
|--------|----------|-----------------------------------------------------------------------------------------|
| REQ    | aaa      | Request                                                                                 |
| TYPE   | RPE2     | Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment)                        |
| GRP    | 1-31     | RPE Group number                                                                        |
| TASK   | GMBR     | Group Member                                                                            |
| ID     | x...x    | Identifier                                                                              |
| LM0    | xxx      | Loop number for Member 0 in the group (first primary loop)                              |
| LM1    | xxx      | Loop number for Member 1 in the group (second primary loop)                             |
| LM2    | xxx      | Loop number for Member 2 in the group (third primary loop)                              |
| LM3    | xxx      | Loop number for Member 3 in the group (fourth primary loop or spare loop if SPAR = YES) |
| - SPAR | (NO) YES | Spare loop option                                                                       |

## 2.0 Mb/s RPE data block (TASK = Timer Threshold)

| Prompt | Response        | Comment                                                          |
|--------|-----------------|------------------------------------------------------------------|
| REQ    | aaa             | Request                                                          |
| TYPE   | RPE2            | Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment) |
| GRP    | 1-31            | RPE group number                                                 |
| TASK   | TTHS            | Timer Threshold                                                  |
| LFAL   | 2-(10)-999      | Loss of Frame Alignment at Local site in seconds                 |
| FAEL   | 2-(600)-999     | Frame Alignment Error rate at Local site in seconds              |
| PCML   | 2-(600)-999     | Pulse Code Modulation (PCM) error rate at Local site in seconds  |
| LFAR   | 2-(10)-999      | Loss of Frame Alignment at Remote site in seconds                |
| FAER   | 2-(10)-999      | Frame Alignment Error rate at Remote site in seconds             |
| PCMR   | 2-(600)-999     | Pulse Code Modulation (PCM) error rate at Remote site in seconds |
| RPF    | 128-(1024)-9999 | Remote Processor Failure in milliseconds                         |

**2.0 Mb/s RPE data block (TASK = No New Data call timer)**

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| Prompt | Response    | Comment                                                          |
|--------|-------------|------------------------------------------------------------------|
| REQ    | aaa         | Request                                                          |
| TYPE   | RPE2        | Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment) |
| GRP    | 1-31        | RPE group number                                                 |
| TASK   | NND         | No New Data call timer                                           |
| ERR    | 10-(14)-30  | Error threshold in seconds                                       |
| NND    | 0-(56)-1800 | No New Data call time in seconds                                 |

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**Prompts and responses to remove 2.0 Mb/s RPE data block**

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| Prompt | Response | Comment                                                          |
|--------|----------|------------------------------------------------------------------|
| REQ    | OUT      | Remove                                                           |
| TYPE   | RPE2     | Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment) |
| GRP    | 1-31     | RPE Group number                                                 |
| LOOP   | x xx x   | Loop numbers for loops to be removed.                            |

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## Alphabetical list of prompts

| Prompt | Response                 | Comment                                                                                                                                                     | Pack/Rel |
|--------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| BGTH   | 0-(3)-7                  | Background Threshold (Unsparring attempts allowed by background)<br>A response of 0 will deactivate the background processing of LD 53 for this RPE group.  | rpe2-15  |
| ERR    | 10-(14)-30               | Error threshold in seconds<br>Time after which the NND state is entered.                                                                                    | rpe2-15  |
| FAEL   | 2-(600)-999<br>0-(5)-255 | Frame Alignment Error rate at Local site in seconds<br>Prompted when TYPE = TTHS<br>Frame Alignment Error rate at Local site<br>Prompted when TYPE = CTHS   | rpe2-15  |
| FAER   | 2-(10)-999<br>0-(5)-255  | Frame Alignment Error rate at Remote site in seconds<br>Prompted when TYPE = TTHS<br>Frame Alignment Error rate at Remote site<br>Prompted when TYPE = CTHS | rpe2-15  |
| GRP    | 1-31<br><cr>             | RPE group number<br>All RPE group numbers, when REQ = PRT                                                                                                   | rpe2-15  |
| ID     | x...x                    | Identifier (1-16 character alphanumeric group identification)                                                                                               | rpe2-15  |
| LFAL   | 2-(10)-999<br>0-(5)-255  | Loss of Frame Alignment at Local site in seconds<br>Prompted when TYPE = TTHS<br>Loss of Frame Alignment at Local site<br>Prompted when TYPE = CHTS         | rpe2-15  |
| LFAR   | 2-(10)-999<br>0-(5)-255  | Loss of Frame Alignment at Remote site in seconds<br>Prompted when TYPE = TTHS<br>Loss of Frame Alignment at Remote site<br>Prompted when TYPE = CHTS       | rpe2-15  |
| LINT   | 0-(2)-255                | Local site Initialization of Remote Peripheral Controller (RPC)                                                                                             | rpe2-15  |
| LM0    | 0-159                    | Loop number for group member 0 (1st primary loop)<br>Precede with X to delete a loop number                                                                 | rpe2-15  |
| LM1    | 0-159                    | Loop number for group member 1 (2nd primary loop)<br>Precede with X to delete a loop number                                                                 | rpe2-15  |

# LD 52

Page 684 of 1004     Alphabetical list of prompts

| Prompt | Response        | Comment                                                                                                                                                                                                                                        | Pack/Rel |
|--------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| LM2    | 0-159           | Loop number for group member 2 (3rd primary loop)<br>Precede with X to delete a loop number                                                                                                                                                    | rpe2-15  |
| LM3    | 0-159           | Loop number for group member 3 (4th primary loop or<br>spare loop if SPAR = YES)<br>Precede with X to delete a loop number.                                                                                                                    | rpe2-15  |
| LOOP   | x xx x<br>ALL   | Loop numbers for loops to be removed.<br>All loops in the group are removed<br>If accepted, then the whole group is removed.                                                                                                                   | rpe2-15  |
| NND    | 0-(56)-1800     | No New Data call time in seconds<br><br>The time to stay in the NND state. Time is stored as<br>nearest lower multiple of 8. A response of 0 will<br>deactivate the NND error handling system on this RPE<br>group.                            | rpe2-15  |
| PCML   | 2-(600)-999     | Pulse Code Modulation (PCM) error rate at Local site in<br>seconds. Prompted when TYPE = TTSH.                                                                                                                                                 | rpe2-15  |
|        | 0-(5)-255       | Pulse Code Modulation (PCM) error rate at Local site<br>Prompted when TYPE = CHTS                                                                                                                                                              | rpe2-15  |
| PCMR   | 2-(600)-999     | Pulse Code Modulation (PCM) error rate at Remote site<br>in seconds. Prompted when TYPE = TTSH.                                                                                                                                                | rpe2-15  |
|        | 0-(5)-255       | Pulse Code Modulation (PCM) error rate at Remote site<br>Prompted when TYPE = CHTS                                                                                                                                                             |          |
| REQ    |                 | Request<br><br>CHG     Change a data block<br>END     Exit Overlay program<br>NEW     Create a new data block<br><br>When an RPE group is created using REQ = NEW,<br>counter and timer thresholds are initialized to their<br>default values. | rpe2-15  |
|        | OUT<br>PRT      | Remove 2.0 Mb/s RPE data block<br>Print 2.0 Mb/s RPE data block                                                                                                                                                                                |          |
| RPF    | 128-(1024)-9999 | Remote Processor Failure (milliseconds)                                                                                                                                                                                                        | rpe2-15  |

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| Prompt | Response                            | Comment                                                                                                                                                           | Pack/Rel |
|--------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| RPF    | 0-(3)-255                           | Remote Processor Failure                                                                                                                                          | rpe2-15  |
| SPAR   | (NO) YES                            | Spare loop option                                                                                                                                                 | rpe2-15  |
| TASK   | CTHS<br>GMBR<br>NND<br>THRS<br>TTHS | Counter Threshold<br>Group Member<br>No New Data call timer<br>Threshold data (timer/counter)<br>Timer Threshold<br>When REQ = PRT, TASK can only be GMBR or THRS | rpe2-15  |
| TYPE   | RPE2                                | Type of data block<br>2.0 Mb/s RPE group data                                                                                                                     | rpe2-15  |

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